

## NAME

hx509 certificate selecting functions -

### Functions

int **hx509\_peer\_info\_alloc** (hx509\_context context, hx509\_peer\_info \*peer)  
void **hx509\_peer\_info\_free** (hx509\_peer\_info peer)  
int **hx509\_peer\_info\_set\_cert** (hx509\_peer\_info peer, hx509\_cert cert)  
int **hx509\_peer\_info\_add\_cms\_alg** (hx509\_context context, hx509\_peer\_info peer, const AlgorithmIdentifier \*val)  
int **hx509\_peer\_info\_set\_cms\_algs** (hx509\_context context, hx509\_peer\_info peer, const AlgorithmIdentifier \*val, size\_t len)

### Detailed Description

#### Function Documentation

**int hx509\_peer\_info\_add\_cms\_alg (hx509\_context context, hx509\_peer\_info peer, const AlgorithmIdentifier \* val)**

Add an additional algorithm that the peer supports.

#### Parameters:

*context* A hx509 context.  
*peer* the peer to set the new algorithms for  
*val* an AlgorithmsIdentier to add

#### Returns:

An hx509 error code, see **hx509\_get\_error\_string()**.

**int hx509\_peer\_info\_alloc (hx509\_context context, hx509\_peer\_info \* peer)**

Allocate a new peer info structure an init it to default values.

#### Parameters:

*context* A hx509 context.  
*peer* return an allocated peer, free with **hx509\_peer\_info\_free()**.

#### Returns:

An hx509 error code, see **hx509\_get\_error\_string()**.

**void hx509\_peer\_info\_free (hx509\_peer\_info peer)**

Free a peer info structure.

#### Parameters:

*peer* peer info to be freed.

**int hx509\_peer\_info\_set\_cert (hx509\_peer\_info peer, hx509\_cert cert)**

Set the certificate that remote peer is using.

**Parameters:**

*peer* peer info to update

*cert* certificate of the remote peer.

**Returns:**

An hx509 error code, see **hx509\_get\_error\_string()**.

**int hx509\_peer\_info\_set\_cms\_algs (hx509\_context context, hx509\_peer\_info peer, const AlgorithmIdentifier \* val, size\_t len)**

Set the algorithms that the peer supports.

**Parameters:**

*context* A hx509 context.

*peer* the peer to set the new algorithms for

*val* array of supported AlgorithmIdentifiers

*len* length of array val.

**Returns:**

An hx509 error code, see **hx509\_get\_error\_string()**.